

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): An air mattress, comprising:

an inflatable mattress pad, having an upper portion and a lower portion;

a separately inflatable back support, adjacent to the upper portion of the mattress pad;

and

an air pump assembly, built into the mattress pad, the air pump assembly arranged to inflate and power deflate the mattress pad, wherein both the upper and lower portions are inflated when the mattress pad is inflated, and separately inflate the back support to raise the upper portion and vary an angle between the upper and lower portions of the mattress pad.

Claim 2 (withdrawn): An air mattress as claimed in claim 1, wherein the back support comprises a flexible chamber and a holding element binding the flexible chamber.

Claim 3 (withdrawn): An air mattress as claimed in claim 2, wherein the back support further comprises a frame firmly fixed to the flexible chamber and rotatably connected to the mattress pad for collapsing the flexible chamber.

Claim 4 (withdrawn): An air mattress as claimed in claim 3, wherein the back support further comprises at least one slider mounted on the frame, via which the frame slides on the ground.

Claim 5 (withdrawn): An air mattress as claimed in claim 2, wherein the back support further comprises at least two frames hinged together, with the flexible chamber sandwiched therebetween.

Claim 6 (previously presented): An air mattress as claimed in claim 1, wherein the back support has a V-shaped cross section.

Claim 7 (previously presented): An air mattress as claimed in claim 1, the air pump assembly comprising a valve and an air outlet connected to the mattress pad, wherein the air pump assembly inflates the mattress pad when the valve is open.

Claims 8-9 (canceled)

Claim 10 (previously presented): An air mattress as claimed in claim 1, the air pump assembly comprising a valve and an air outlet connected to the back support, wherein the air pump assembly inflates the back support when the valve is open.

Claim 11 (previously presented): An air mattress as claimed in claim 1, wherein the air pump assembly comprises a pack having a first air outlet connected to the back support and a second air outlet connected to the mattress pad.

Claim 12 (previously presented): An air mattress as claimed in claim 1, wherein the air pump assembly comprises a pack, a fan and motor, and a motor switch mounted on the pack to activate the fan and motor.

Claim 13 (canceled)

Claim 14 (currently amended): An air mattress, comprising:
an inflatable mattress pad comprising an upper portion and a lower portion;
a separately inflatable back support disposed adjacent to the upper portion of the inflatable mattress pad; and
an air pump assembly built into the inflatable mattress pad, the air pump assembly separately connected to the inflatable mattress pad and inflatable back support for inflation and powered deflation thereof, wherein the upper portion of the inflatable mattress pad is raised such that the angle between the upper and lower portions of the inflatable mattress pad is varied when the inflatable back support is inflated by the air pump assembly.

Claim 15 (previously presented): The air mattress as claimed in claim 14, wherein the air pump assembly further comprises a first air outlet communicating with the interior of the back support, and a second air outlet communicating with the interior of the inflatable mattress pad.

Claim 16 (previously presented): The air mattress as claimed in claim 15, wherein the air pump assembly further comprises a fan and motor.

Claim 17 (previously presented): The air mattress as claimed in claim 16, wherein the air pump assembly further comprises a first valve for controlling the passage of air through the first air outlet, and a second valve for controlling the passage of air through the second air outlet.

Claim 18 (previously presented): The air mattress as claimed in claim 17, wherein the air pump assembly further comprises a first switch for opening and closing the first valve, and a second switch for opening and closing the second valve.

Claim 19 (canceled)

Claim 20 (previously presented): The air mattress as claimed in claim 14, wherein the air pump assembly is connected to the inflatable back support through the interior of the inflatable mattress pad.

Claim 21 (currently amended): The air mattress as claimed in claim 1, wherein the air pump assembly is recessed into the inflatable mattress pad.

Claim 22 (previously presented): The air mattress as claimed in claim 14, wherein the air pump assembly is recessed into the inflatable mattress pad.

Claim 23 (new): The air mattress as claimed in claim 1, wherein a portion of the inflatable back support physically adjoins a portion of the inflatable mattress pad.

Claim 24 (new): The air mattress as claimed in claim 23, further comprising an air tube communicating the air pump assembly and inflatable back support, wherein the air tube is situated within the inflatable mattress pad and connects to the inflatable back support through the adjoined portions of the inflatable mattress pad and the inflatable back support.

Claim 25 (new): The air mattress as claimed in claim 1, wherein the air pump assembly arranged to power deflate the back support.

Claim 26 (new): The air mattress as claimed in claim 14, wherein a portion of the inflatable back support physically adjoins a portion of the inflatable mattress pad.

Claim 27 (new): The air mattress as claimed in claim 26, further comprising an air tube communicating the air pump assembly and inflatable back support, wherein the air tube is situated within the inflatable mattress pad and connects to the inflatable back support through the adjoined portions of the inflatable mattress pad and the inflatable back support.